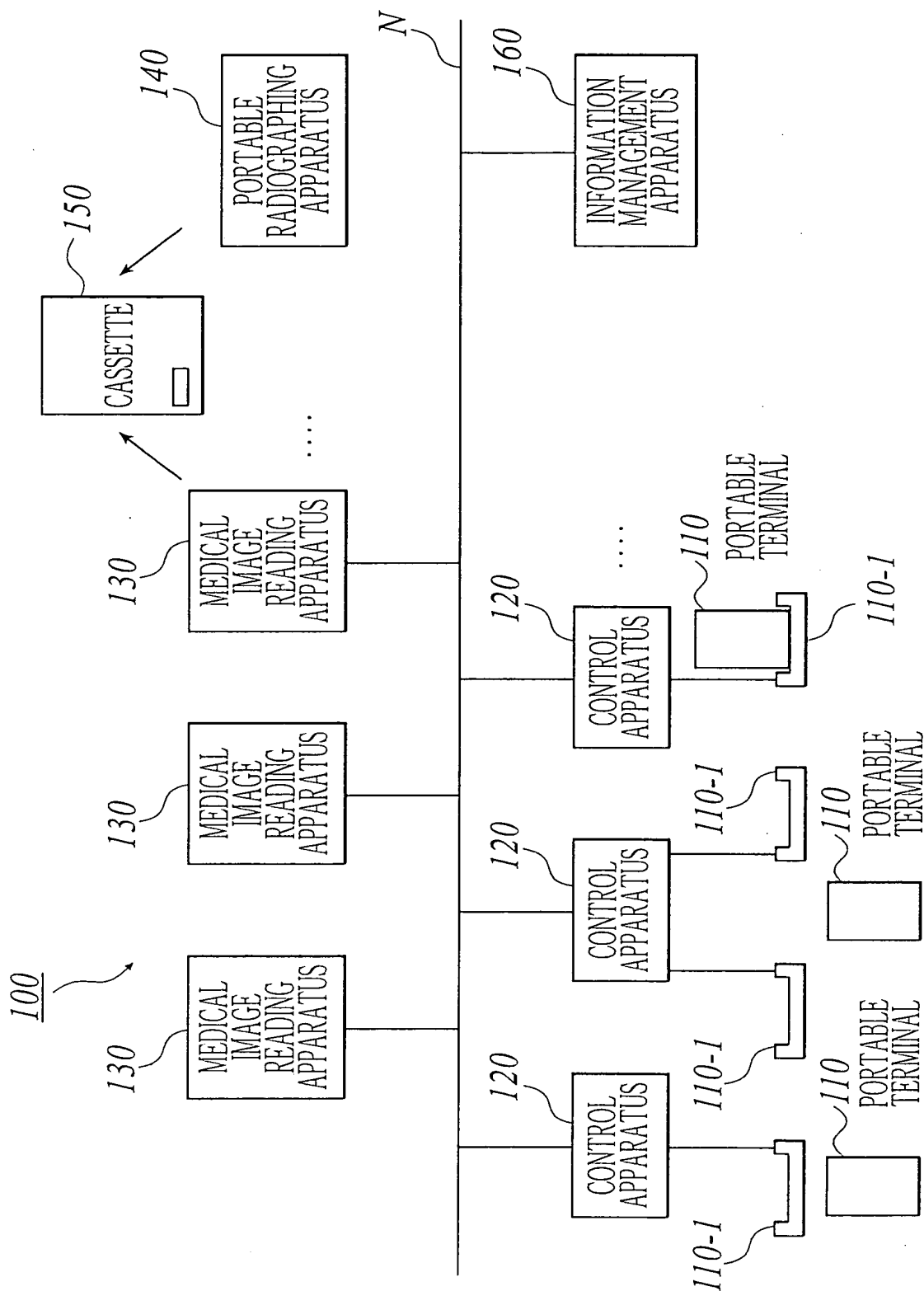


FIG. 1



2/42
FIG 2

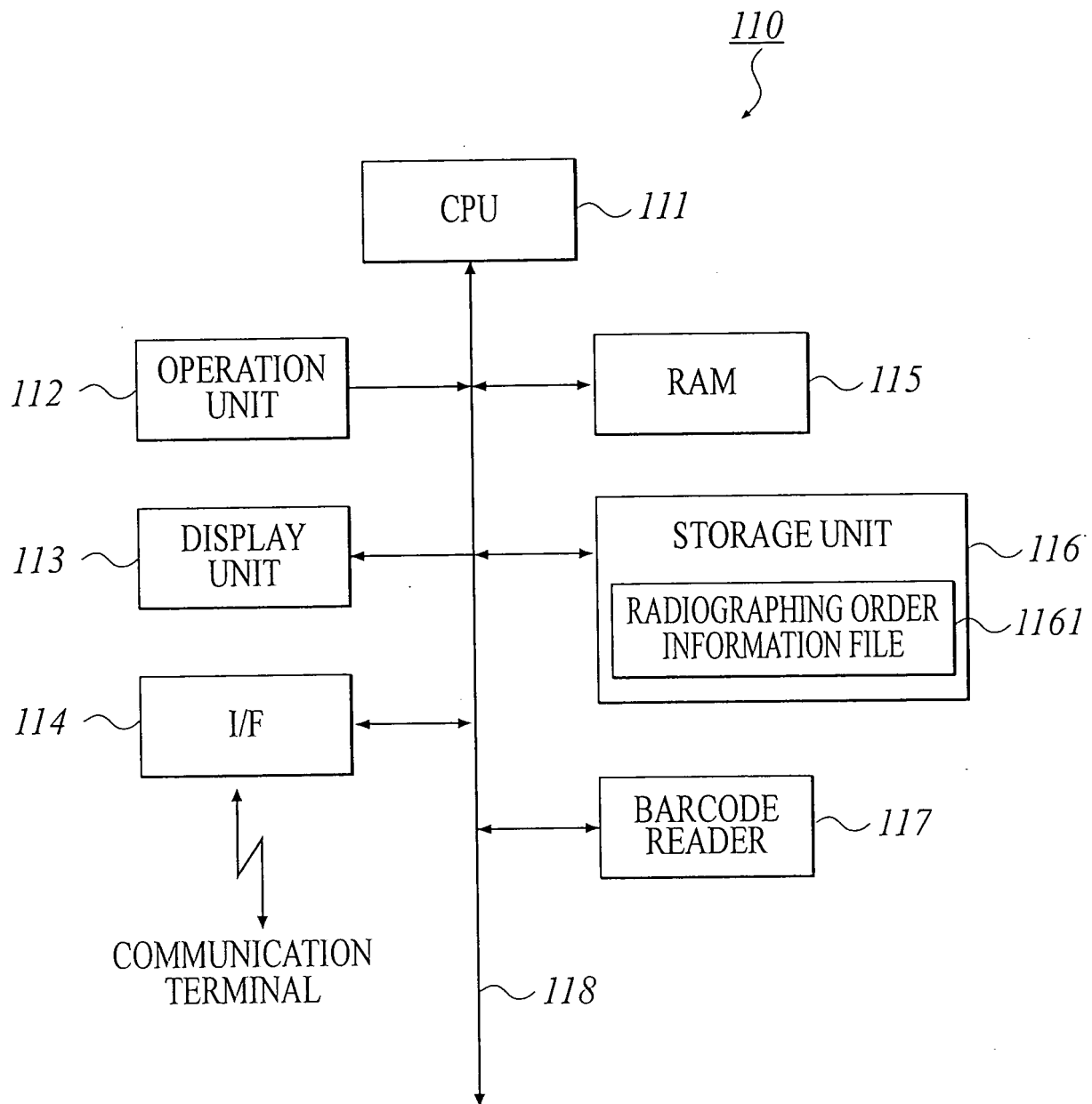


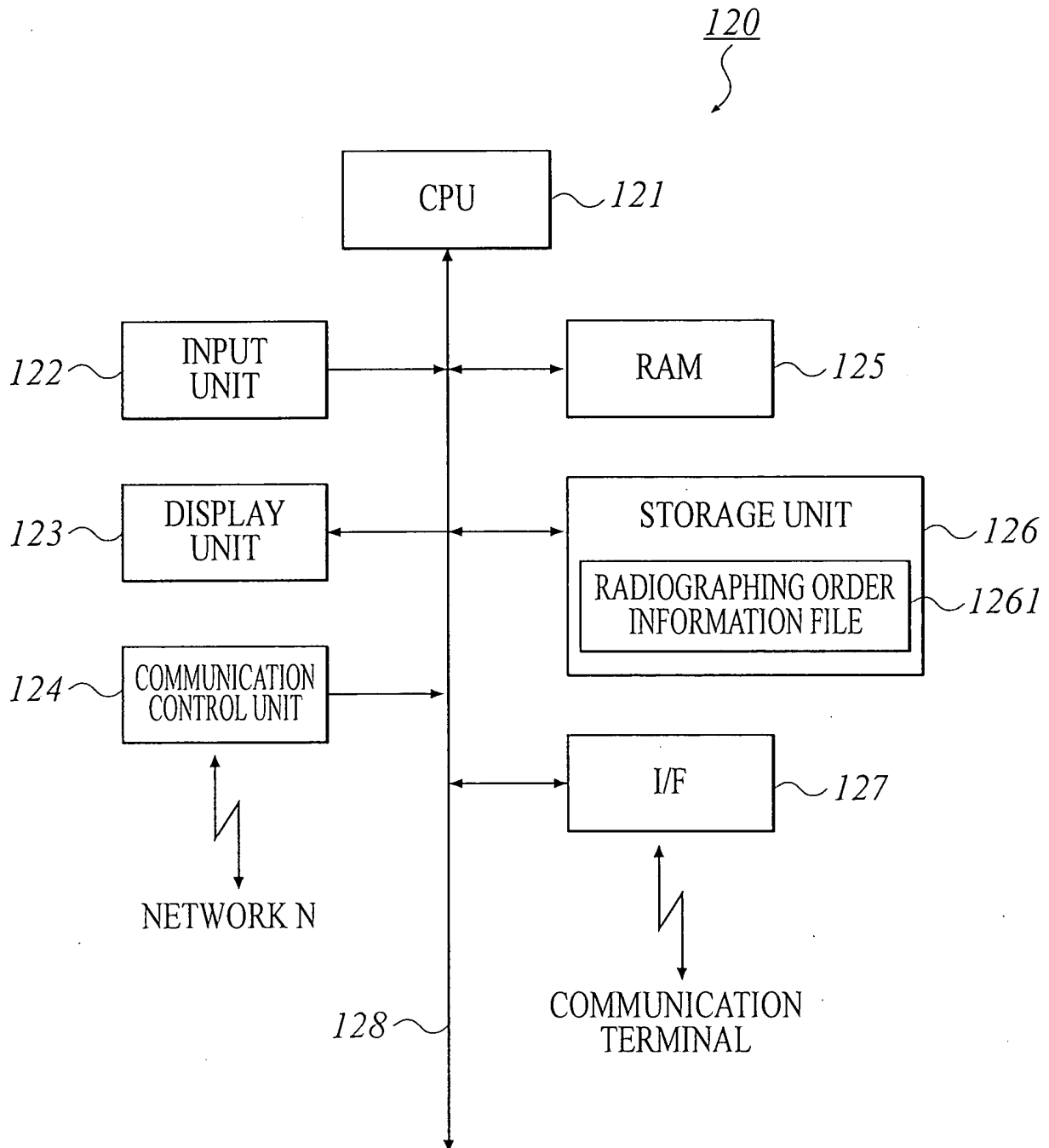
FIG.3

1161



RADIOGRAPHING ID	PATIENT ID	NAME	SEX	AGE	ROOM	DEPARTMENT	RADIOGRAPHING CONDITION	RADIOGRAPHING APPARATUS	NUMBER OF IMAGES	CASSETTE ID
20020101001	1000002	○○○○	MALE	40	101	SURGERY	SKULL-AD	A	3	
20020101002	1000002	○○○○	MALE	40	101	SURGERY	SKULL-PA	A	3	
20020101003	1000002	○○○○	MALE	40	101	SURGERY	CHEST-PA	B	4	
20020101004	1000002	○○○○	MALE	40	101	SURGERY	CHEST-RL	C	4	
20020101005	1000005	△△△△	FEMALE	50	205	INTERNAL MEDICINE	ABDOMEN-LAT	A	5	
20020101006	1000005	△△△△	FEMALE	50	205	INTERNAL MEDICINE	ABDOMEN-PA	B	5	
∴	∴	∴	∴	∴	∴	∴	∴	∴	∴	∴

4/42
FIG 4



5/42
FIG 5A

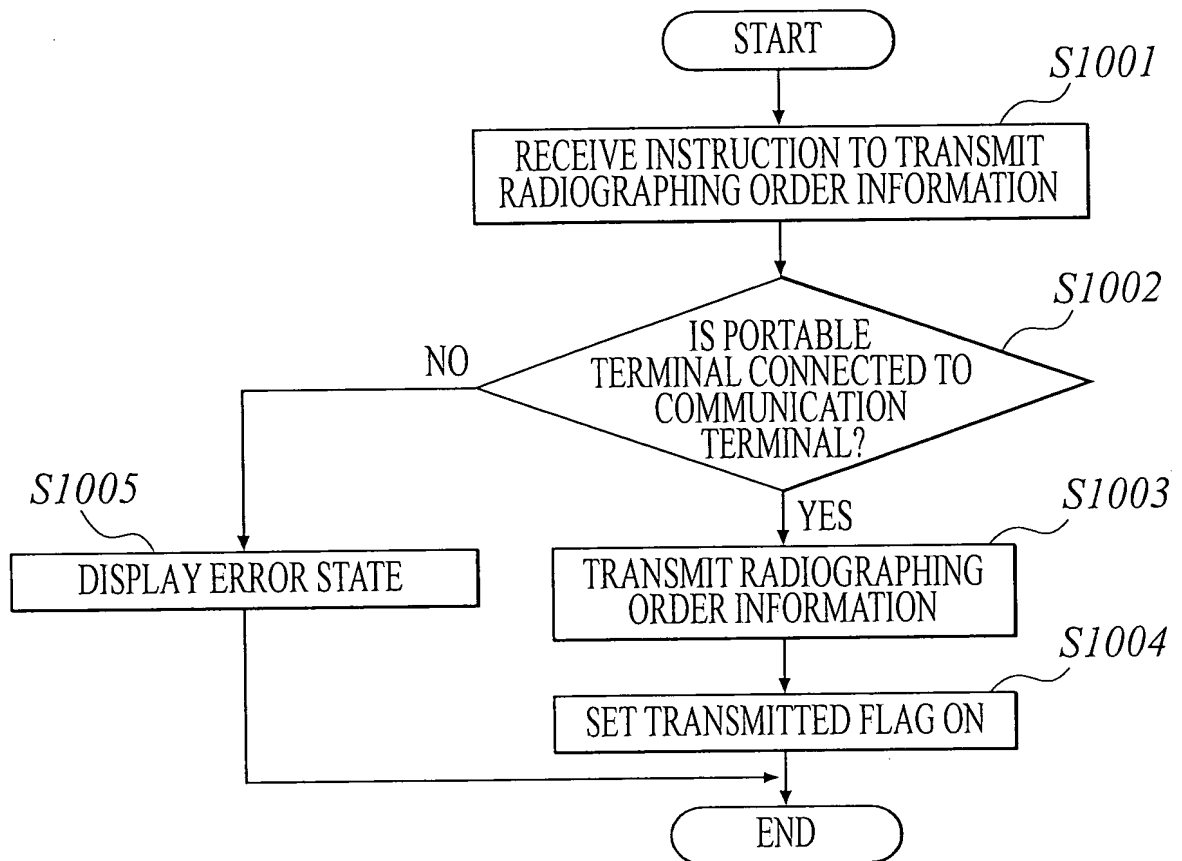
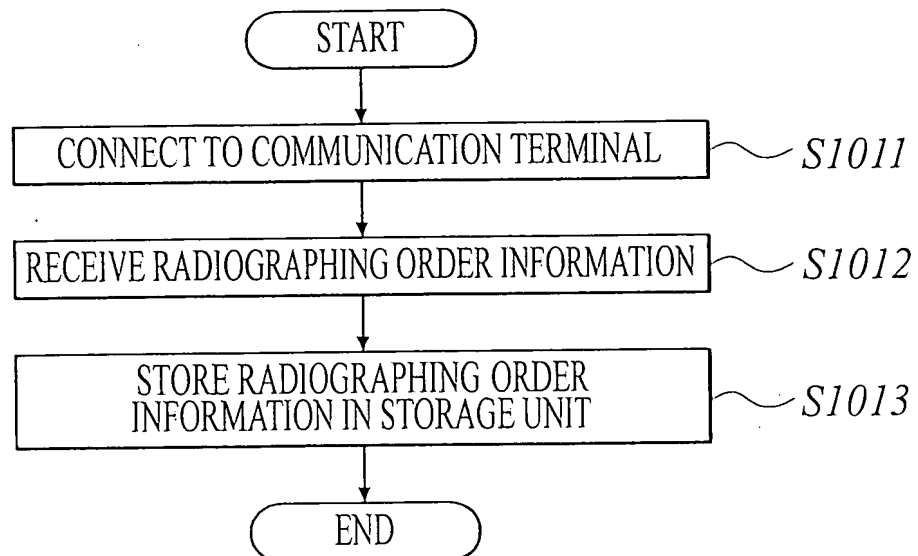


FIG 5B



6 / 42
FIG 6

1231



SYSTEM MENU	
SYSTEM STATUS	OPERATOR SELECTION
EXAMINATION HISTORY	UTILITY
VIEW FORMAT SEARCH	OPERATION TYPE PORTABLE
SHUT DOWN	BACK

FIG. 7

1232

OPERATOR: TARO SUZUKI

ALL PDA DB DELETE

CONDITION

SCHEDULE 2

ITEM

SUSPEND 0

ITEM

PATIENT ID	TYPE OF TAB	PATIENT NAME	SEX	BIRTH DATE	RADIOGRAPHING CONDITION	NUMBER OF IMAGES	SUSPEND
0001	→	ICHIRO YAMADA	MALE	/ /	CHEST ETC OBLIQUE	0/2	
12345		TARO SAKURA	MALE	/ /	INFANT CHEST -PA	0/2	

△

△

▽

▽

SELECT ALL

TRANSMIT

RECEIVE

NEW/SEARCH

MODIFY

DELETE

SET CONDITION

SELECTING CONDITION

RENEW LIST

CONFIRMATION SCREEN

FIG.8A

1233

8/42

OPERATOR:

PATIENT ID	12345	SEX	MALE	1/4
PATIENT NAME (ROMAN ALPHABET)	SAKURA TARO	BIRTH DATE (AGE)	1970-04-23 O'CLOCK M S (32 Y 10M)	△ △
PATIENT NAME (KANJI)	サクラ タロウ	BIRTH DATE (WITHOUT CLOCK)	1970-04-23 (32 Y 10M)	▽ ▽
PATIENT NAME (CHINESE CHARACTER)	桜 太郎	PATIENT COMMENTS		(SEARCH)

ABC	KEYBOARD	KANA																
a	b	c	d	e	f	g	_	h	i	j	k	l	m	n	@	DEL	BS	
o	p	q	r	s	t	u	"	←	→	v	w	x	y	z	#	,	ENTER	
Caps Lock	[Space]																&	;

ALL CLEAR CANCEL OK

FIG. 8B

1234



9/42

FAVORITE		R	[350]	[550]	[170]	CHEST ETC OBLIQUE	
HEAD	NECK	CHEST	ABDOMEN	SPINE	THORAX	<input type="checkbox"/>	<input type="checkbox"/>
UPE	LOE	INFANT	MAMMO	SPECIAL	TEST	<input type="checkbox"/>	<input type="checkbox"/>
ERECT CHEST	A→P	P→A	LAT			<input type="checkbox"/>	<input type="checkbox"/>
SUPINE CHEST	A→P	LAT	DECUBITUS			<input type="checkbox"/>	<input type="checkbox"/>
CHEST ETC	OBLIQUE	APICAL	EXPIRATION	PNEUMONOSIS		<input type="checkbox"/>	<input type="checkbox"/>
INFANT CHEST	A→P	P→A	LAT	OBLIQUE		<input type="checkbox"/>	<input type="checkbox"/>
INFANT CHEST AND ABDOMEN	A→P	P→A	LAT			<input type="checkbox"/>	<input type="checkbox"/>
FOLLOW-UP	A→P	INFANT PA				<input type="checkbox"/>	<input type="checkbox"/>

10 / 42
FIG 9

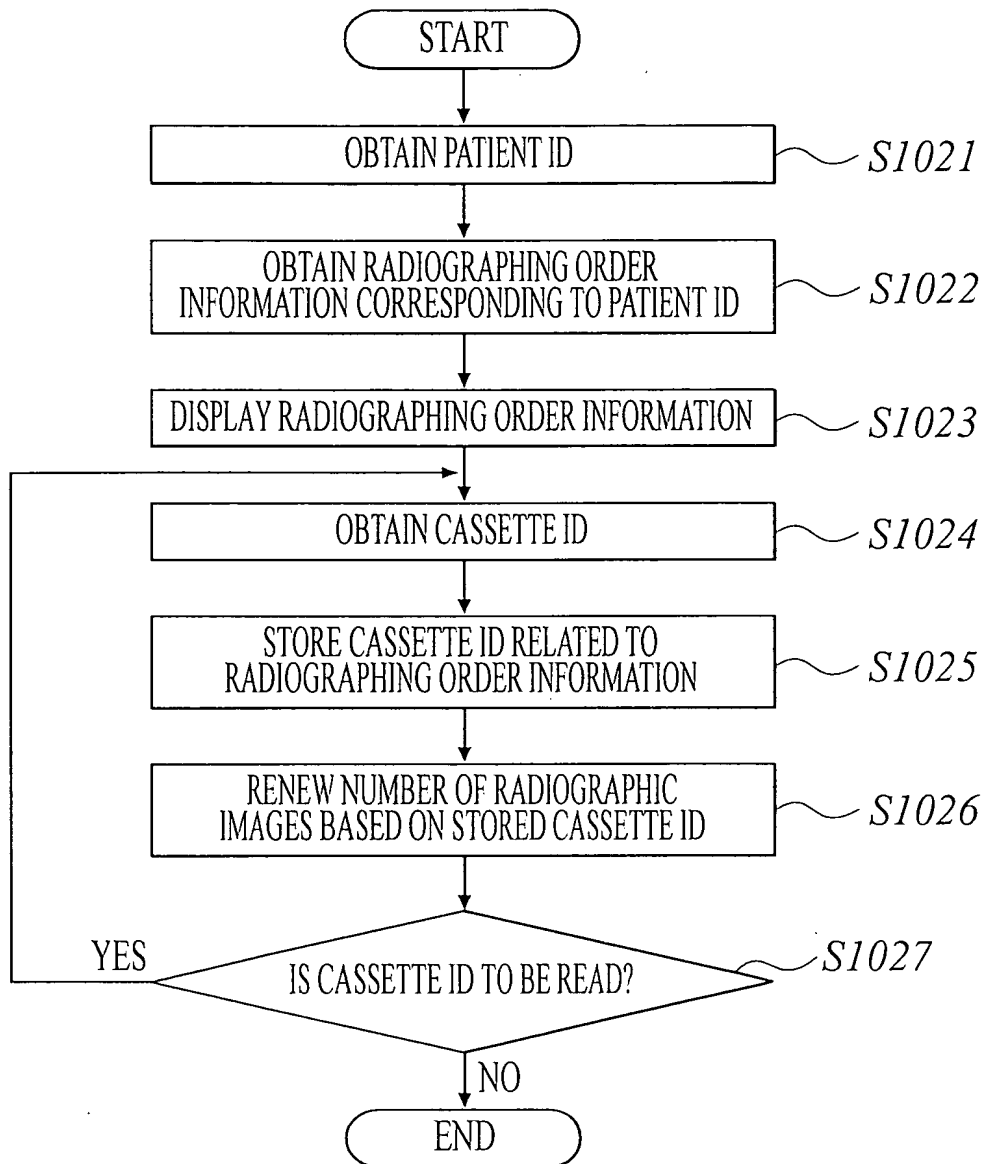


FIG.10A

1131

0/2

ALL

<div>↓</div> PATIENT ID	NAME (ROMAN ALPHABET)	<div>3</div> WARD
0001	ICHIRO YAMADA	
12345	TARO SAKURA	

FIG.10B

1132

ICHIRO YAMADA

PATIENT ID

0001

SEX

M

AGE

WARD

ROOM

01/02

←

○

CHEST ETC OBLIQUE

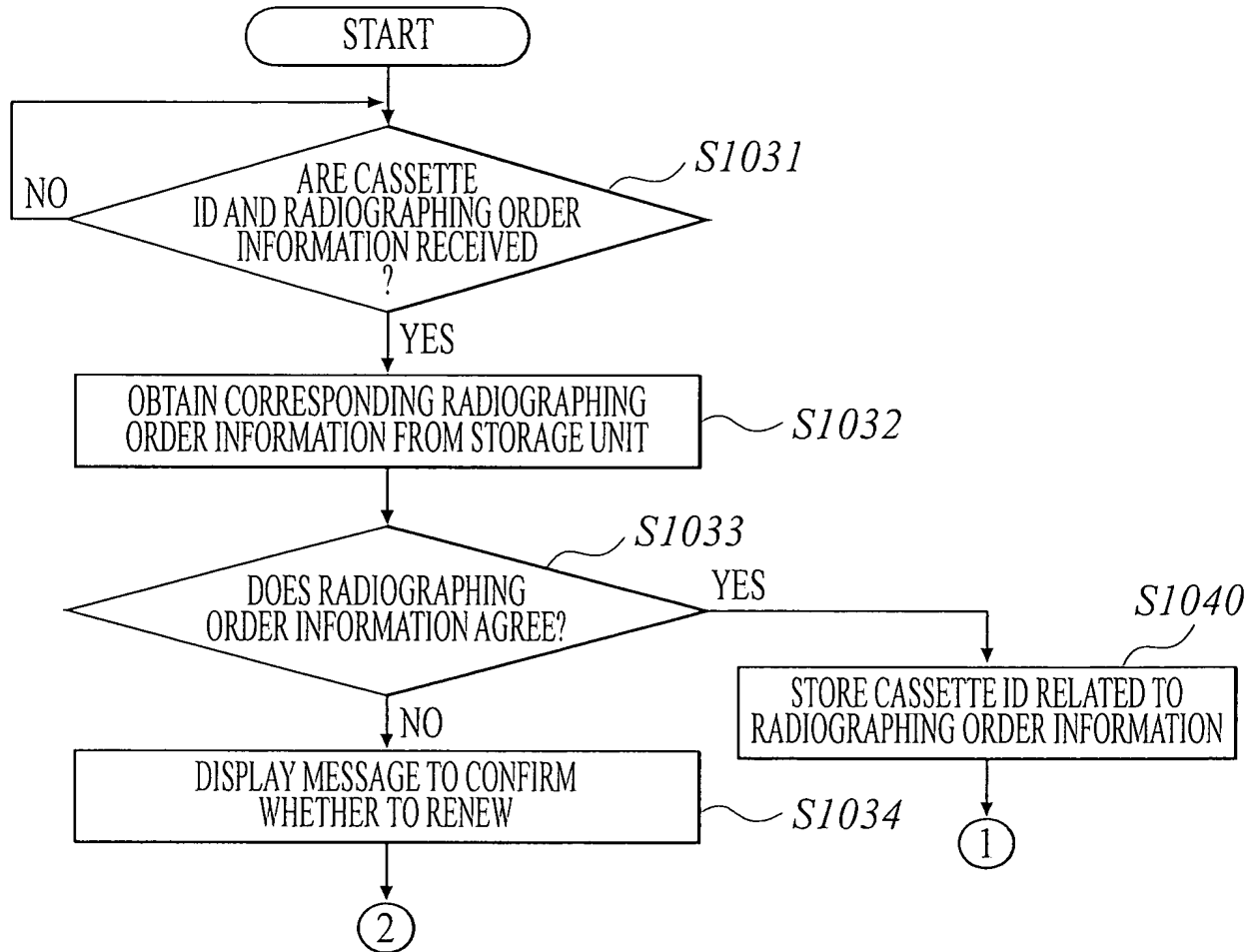
04000108022016

CHEST ETC APICAL

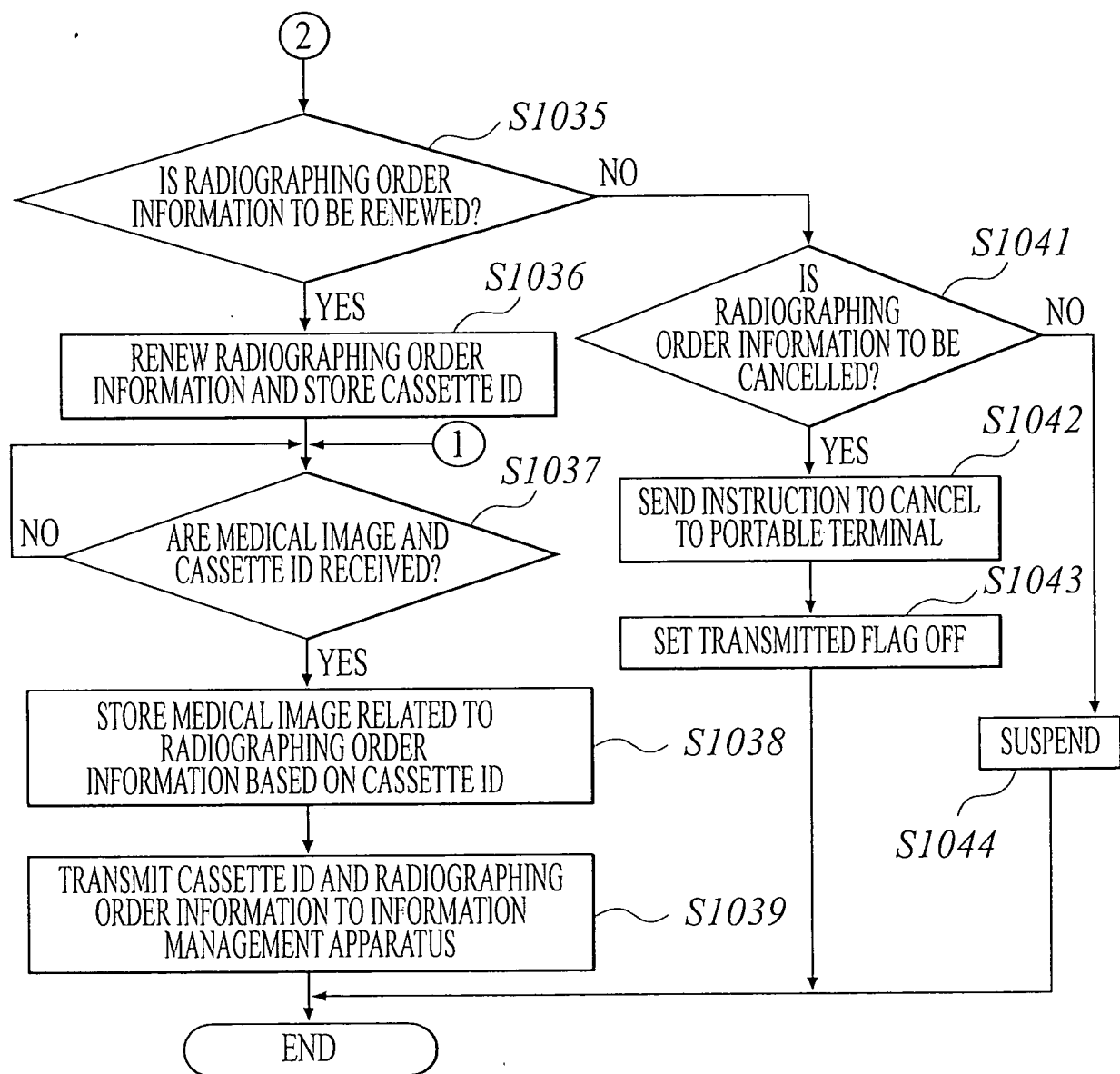
CANCEL

OK

12 / 42
FIG 11A



13 / 42
FIG 11B



14/42
FIG 12

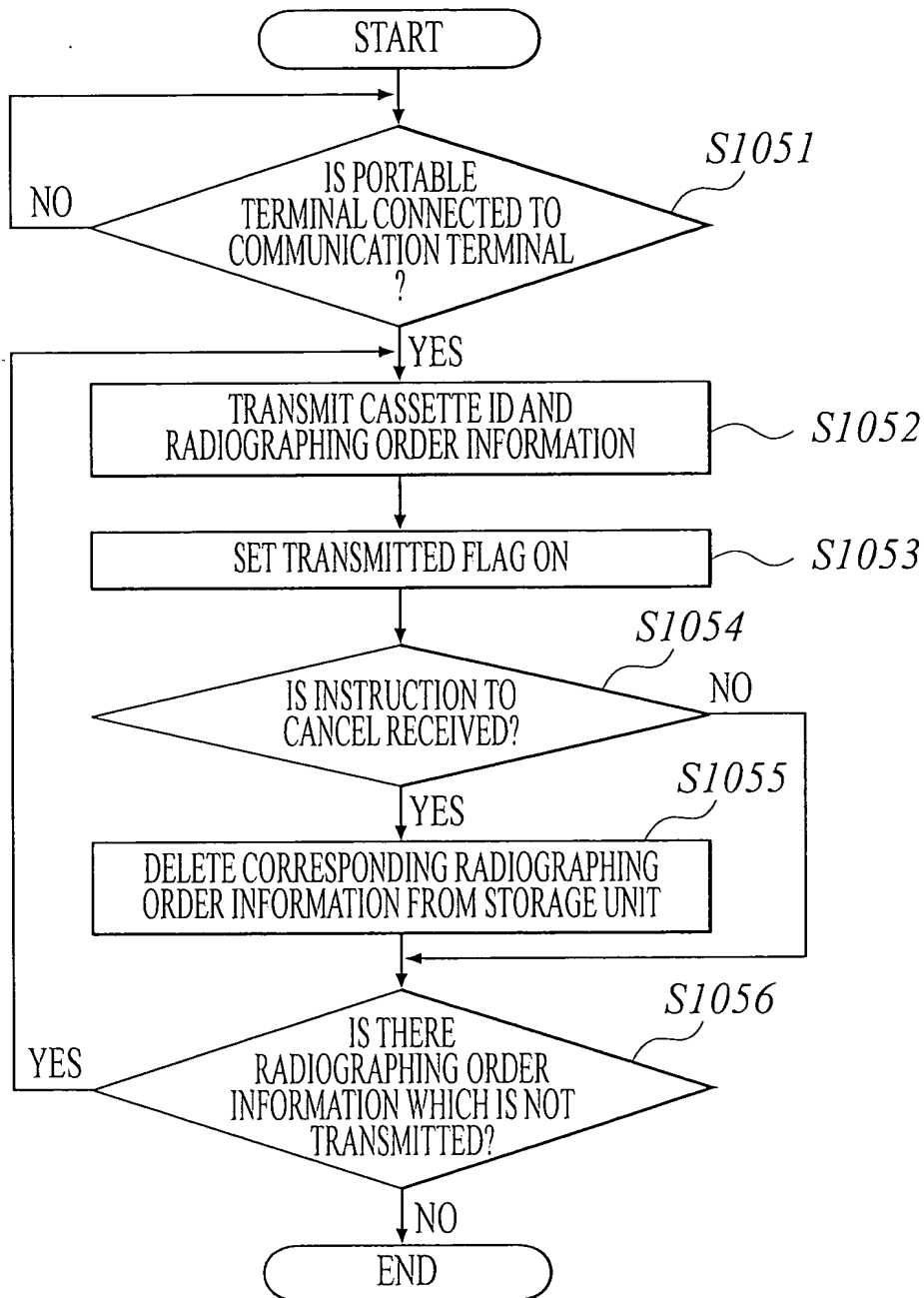


FIG.13A

1235

OPERATOR:TARO SUZUKI

ALL PDA DB DELETE

CONDITION

SCHEDULE 2

ITEM

SUSPEND 0

ITEM

PATIENT ID	TYPE OF TAB	PATIENT NAME	SEX	BIRTH DATE	RADIOGRAPHING CONDITION	NUMBER OF IMAGES	SUSPEND
0001	→	ICHIRO YAMADA	MALE	/ /	CHEST ETC OBLIQUE	0/2	
12345		TARO			INFANT CURT		

SELECT ALL

TRANSMIT

RECEIVE

NEW/SEARCH

MODIFY

DELETE

SET CONDITION

SELECTING CONDITION

RENEW LIST

CONFIRMATION SCREEN

↑

↑

↓

↓

SELECT ALL

TRANSMIT

RECEIVE

YES

NO

MODIFY

RADIOGRAPHING ORDER INFORMATION DISAGREES.

ARE DATA TO BE RENEWED?

FIG.13B

1236

OPERATOR:TARO SUZUKI

ALL PDA DB DELETE

CONDITION

SCHEDULE 2

ITEM 0

SUSPEND 0

ITEM

PATIENT ID	TYPE OF TAB	PATIENT NAME	SEX	BIRTH DATE	RADIOGRAPHING CONDITION	NUMBER OF IMAGES	SUSPEND
0001	→	ICHIRO YAMADA	MALE	/ /	CHEST ETC OBLIQUE	0/2	
12345		TARO SUZUKI					

SELECT ALL

TRANSMIT

RECEIVE

NEW/SEARCH

MODIFY

DELETE

SET CONDITION

SELECTING CONDITION

RENEW LIST

CONFIRMATION SCREEN

0001

→

ICHIRO YAMADA

MALE

/ /

CHEST ETC OBLIQUE

0/2

12345

TARO SUZUKI

SELECT ALL

TRANSMIT

RECEIVE

NEW/SEARCH

MODIFY

DELETE

SET CONDITION

SELECTING CONDITION

RENEW LIST

CONFIRMATION SCREEN

RADIOGRAPHING ORDER INFORMATION DISAGREES.
CASSETTE ID IS NOT STORED.
IS RADIOGRAPHING ORDER INFORMATION TO BE CANCELLED?

YES NO

FIG.14

1237

OPERATOR : TARO SUZUKI

MODIFY CONDITION

MODIFY PATIENT

<div> <div>PATIENT ID 0001</div> <div>PATIENT NAME</div> <div>ICHIRO YAMADA</div> </div>	<div> <div>PATIENT ID 0001</div> <div>PATIENT NAME</div> <div>ICHIRO YAMADA</div> </div>	<div> <div>PATIENT ID 12345</div> <div>PATIENT NAME</div> <div>TARO SAKURA</div> </div>	<div> <div>PATIENT ID 12345</div> <div>PATIENT NAME</div> <div>TARO SAKURA</div> </div>
<div> <div>170</div> <div> <div></div> <div>RESOLUTION: NORMAL</div> </div> </div> <div>ORDER=5 SERIES=1 IMAGE=1</div> <div> <div> <div>CHEST ETC OBLIQUE</div> <div> <div>01000108022016</div> <div>0400044833940</div> <div>1010032010001120000</div> </div> </div> <div> <div>NG</div> <div>OK</div> </div> </div>	<div> <div>170</div> <div> <div></div> <div>RESOLUTION: NORMAL</div> </div> </div> <div>ORDER=6 SERIES=1 IMAGE=2</div> <div> <div> <div>CHEST ETC APICAL</div> <div> <div>01001412315193</div> <div>0400044833940</div> <div>1010032010001120000</div> </div> </div> <div> <div>NG</div> <div>OK</div> </div> </div>	<div> <div>170</div> <div> <div></div> <div>RESOLUTION: NORMAL</div> </div> </div> <div>ORDER=7 SERIES=1 IMAGE=1</div> <div> <div> <div>INFANT CHEST-PA</div> <div> <div>01001412315193</div> <div>04001041347505</div> <div>101003205000110000</div> </div> </div> <div> <div>NG</div> <div>OK</div> </div> </div>	<div> <div>170</div> <div> <div></div> <div>RESOLUTION: NORMAL</div> </div> </div> <div>ORDER=8 SERIES=1 IMAGE=2</div> <div> <div> <div>INFANT CHEST-PA</div> <div> <div>01001412315193</div> <div>04001041347505</div> <div>101003205000110000</div> </div> </div> <div> <div>NG</div> <div>OK</div> </div> </div>

<<<

<<

<

>

>>

>>>

SUSPEND

COMPLETE

FIG.15

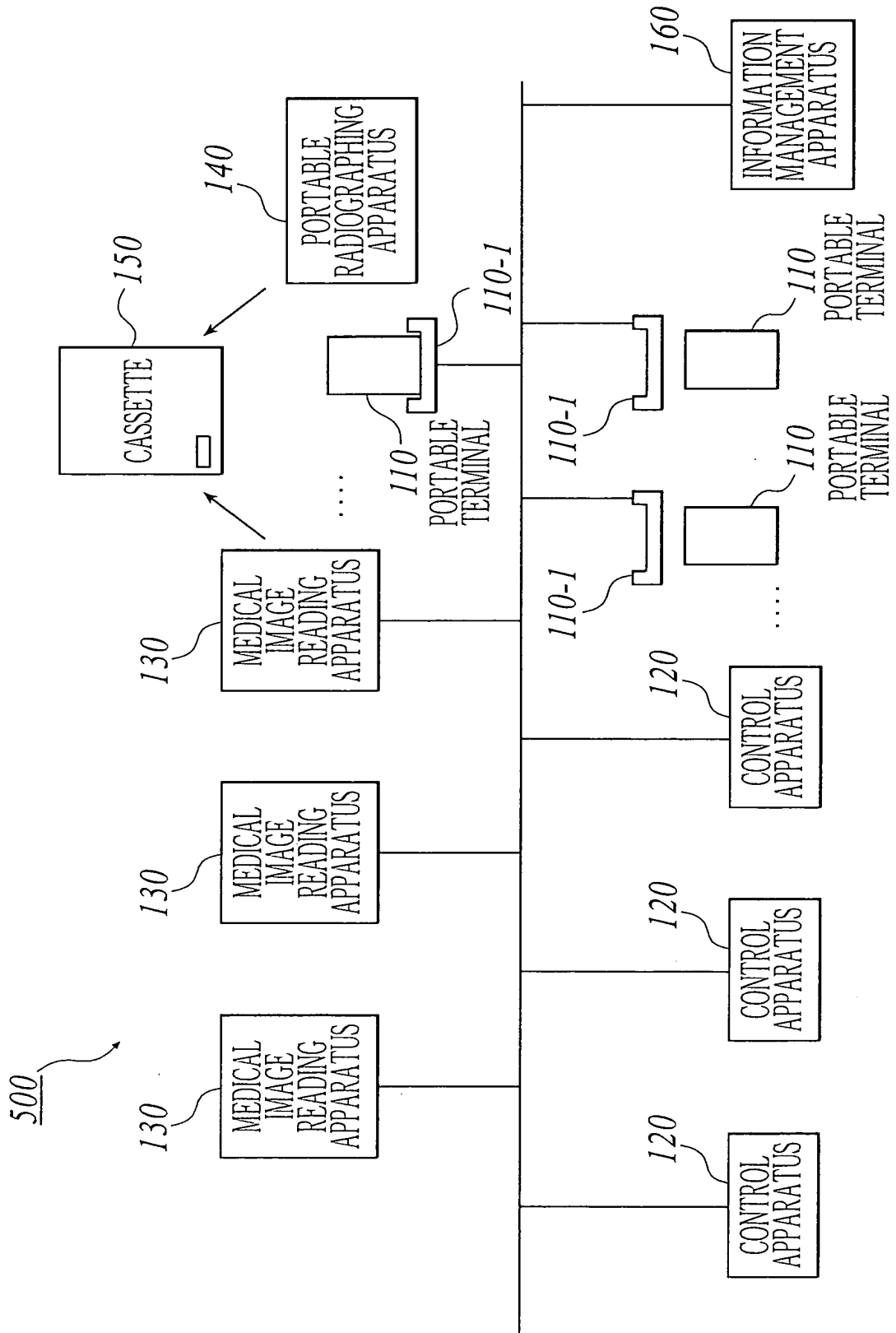
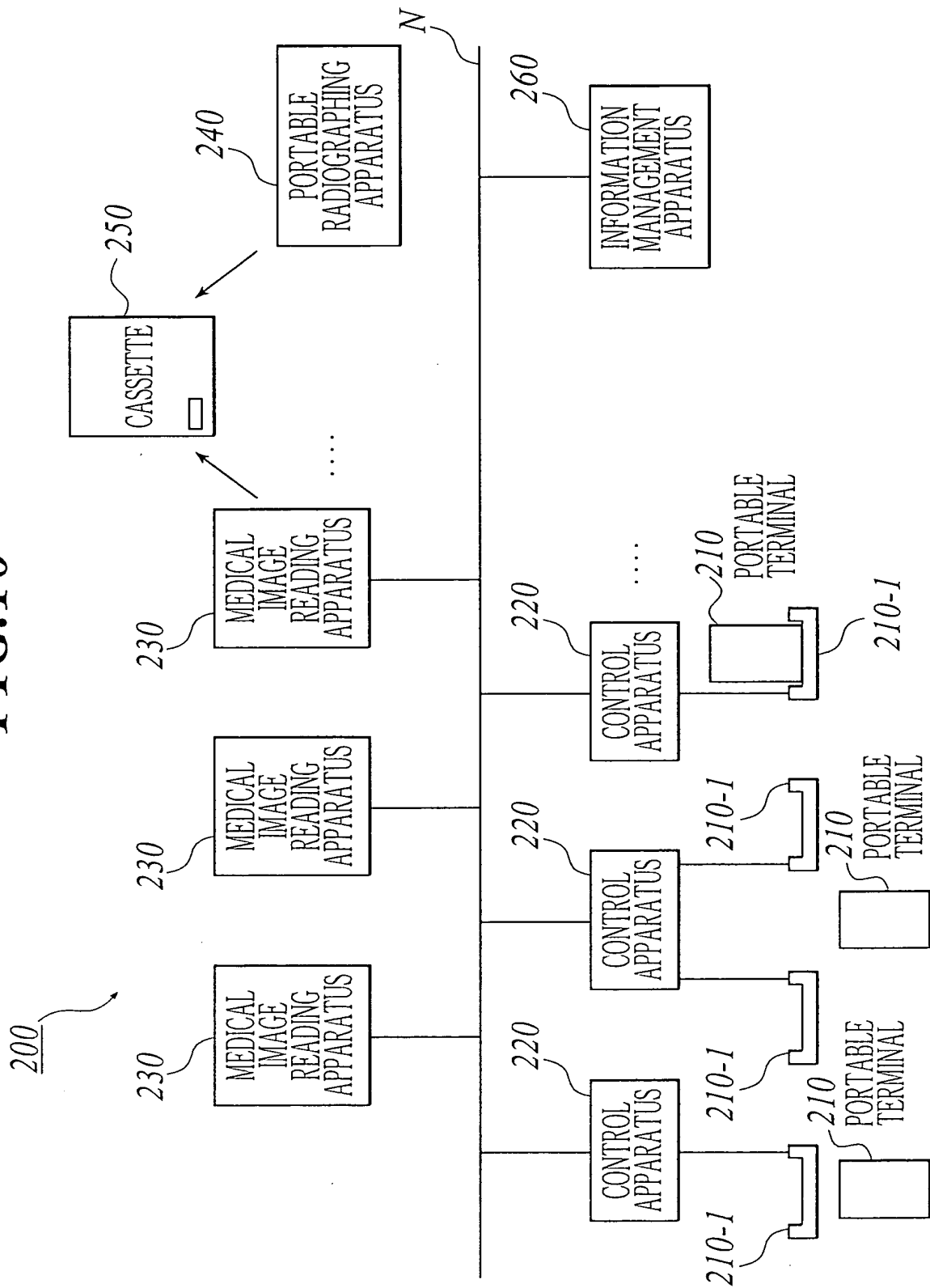
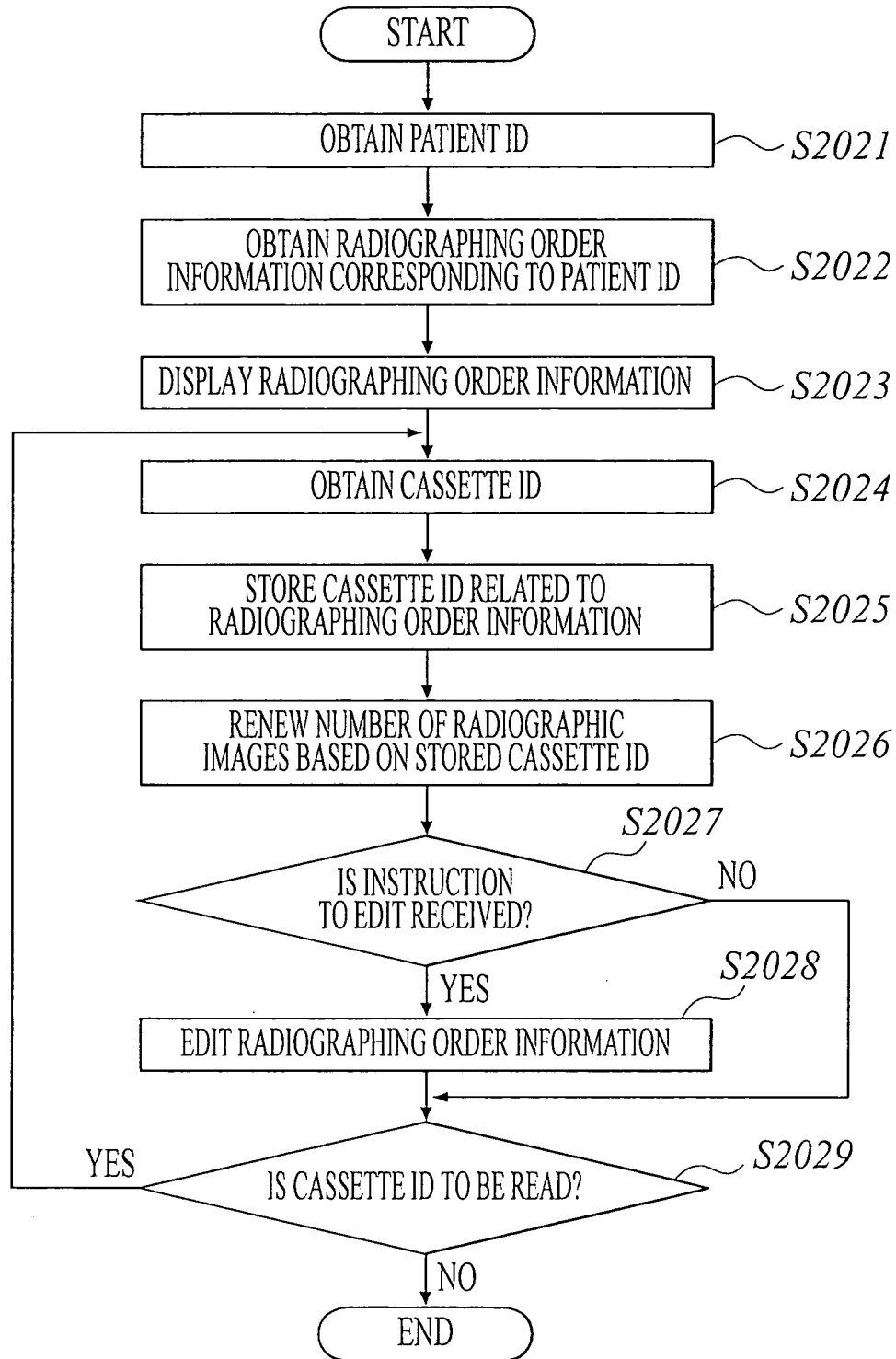


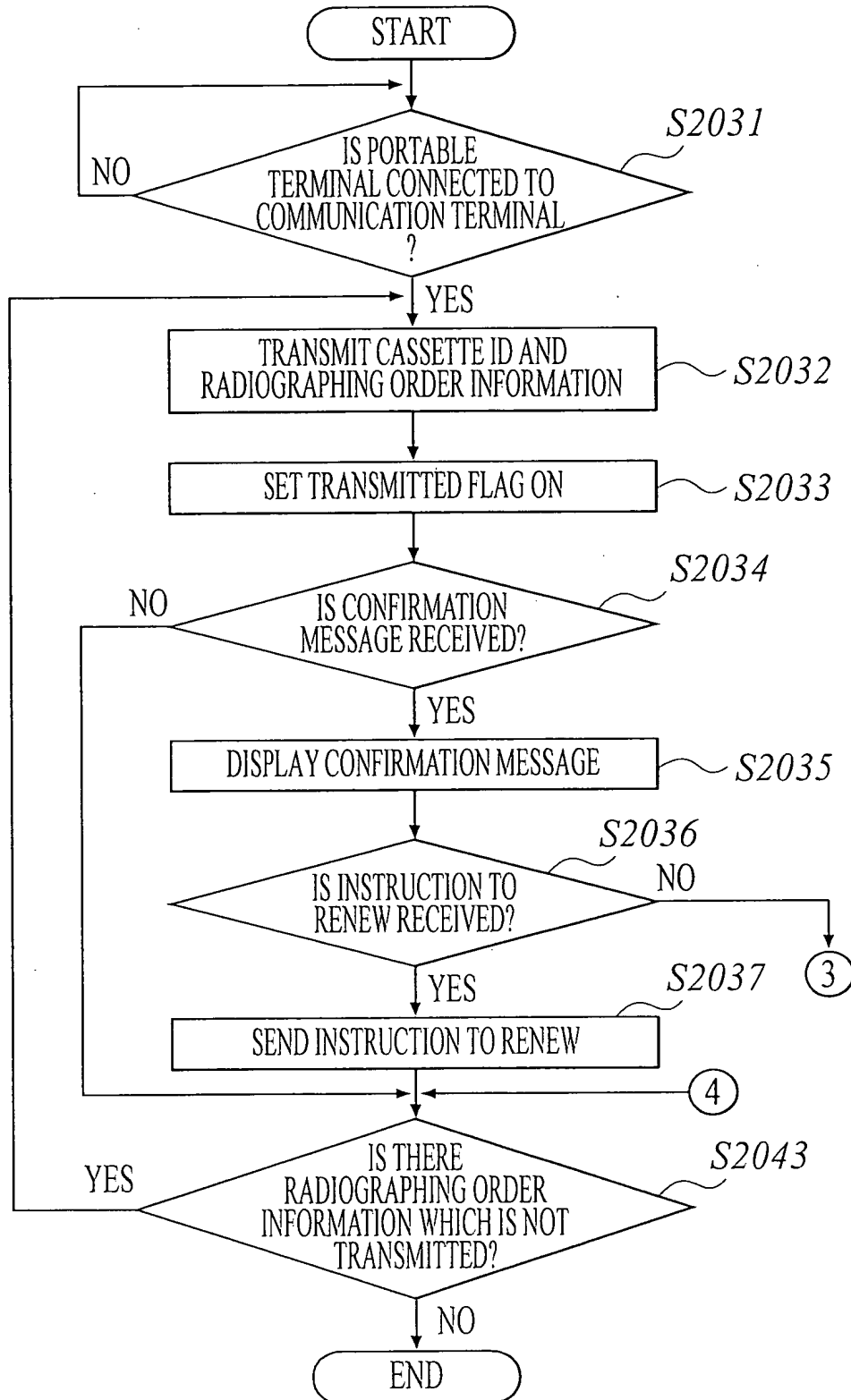
FIG.16



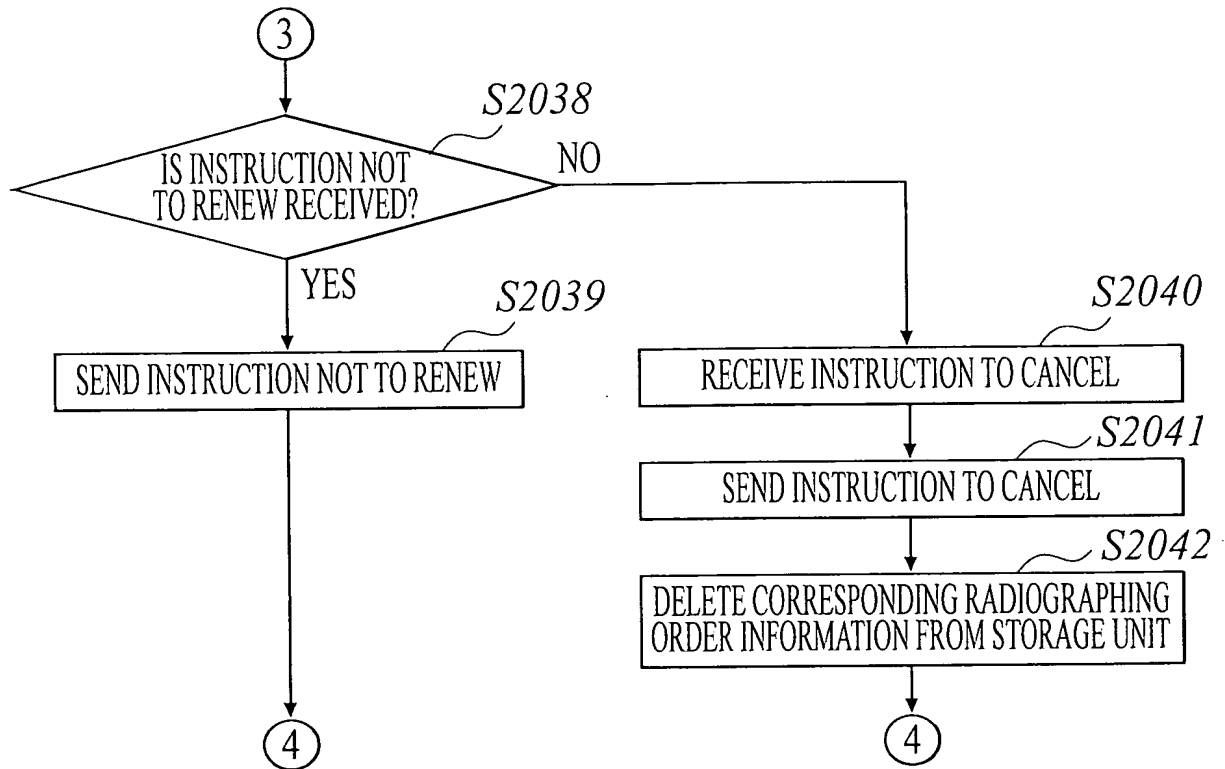
20 / 42
FIG 17



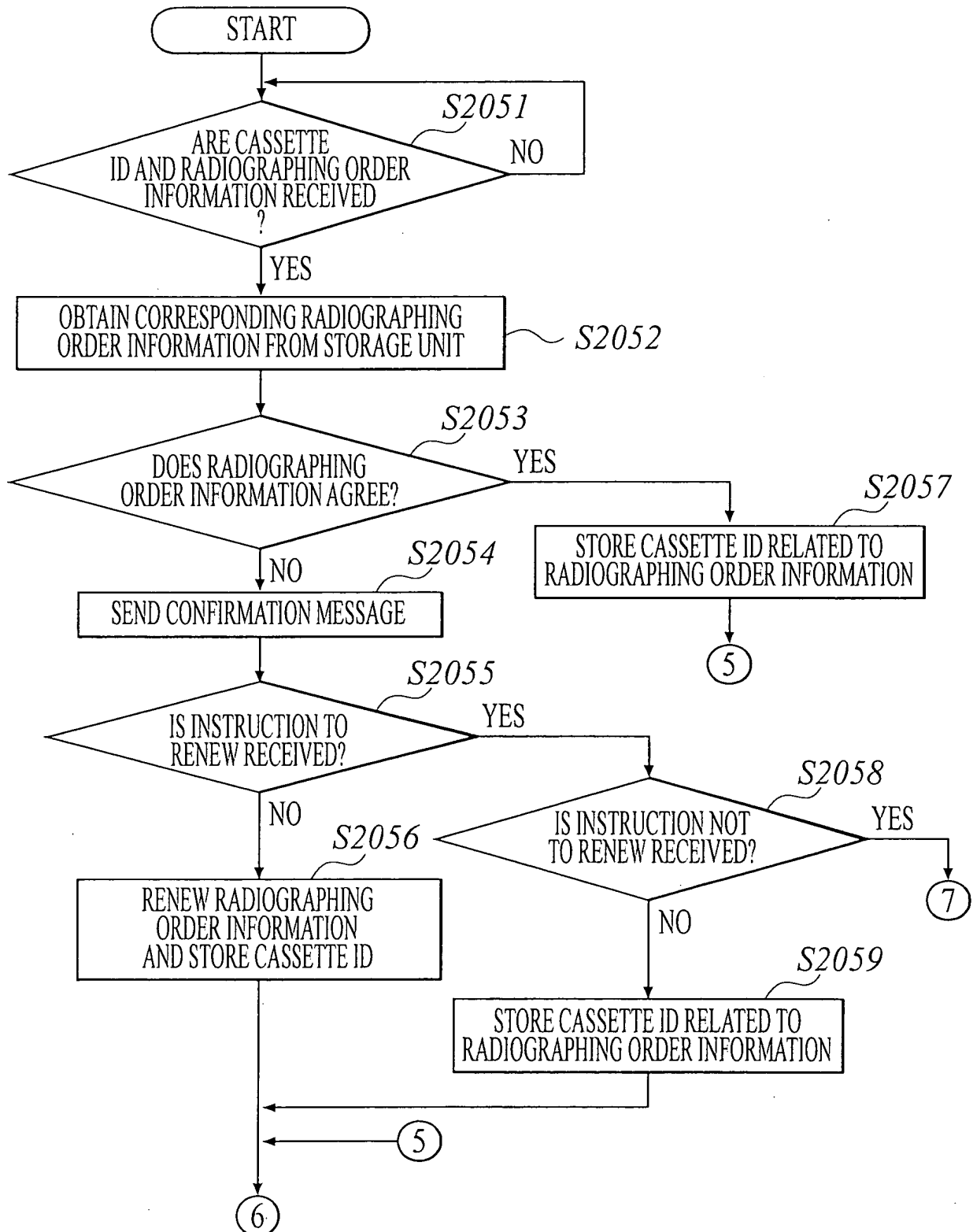
21 / 42
FIG 18A



22 / 42
FIG 18B



23 / 42
FIG 19A



24 / 42
FIG 19B

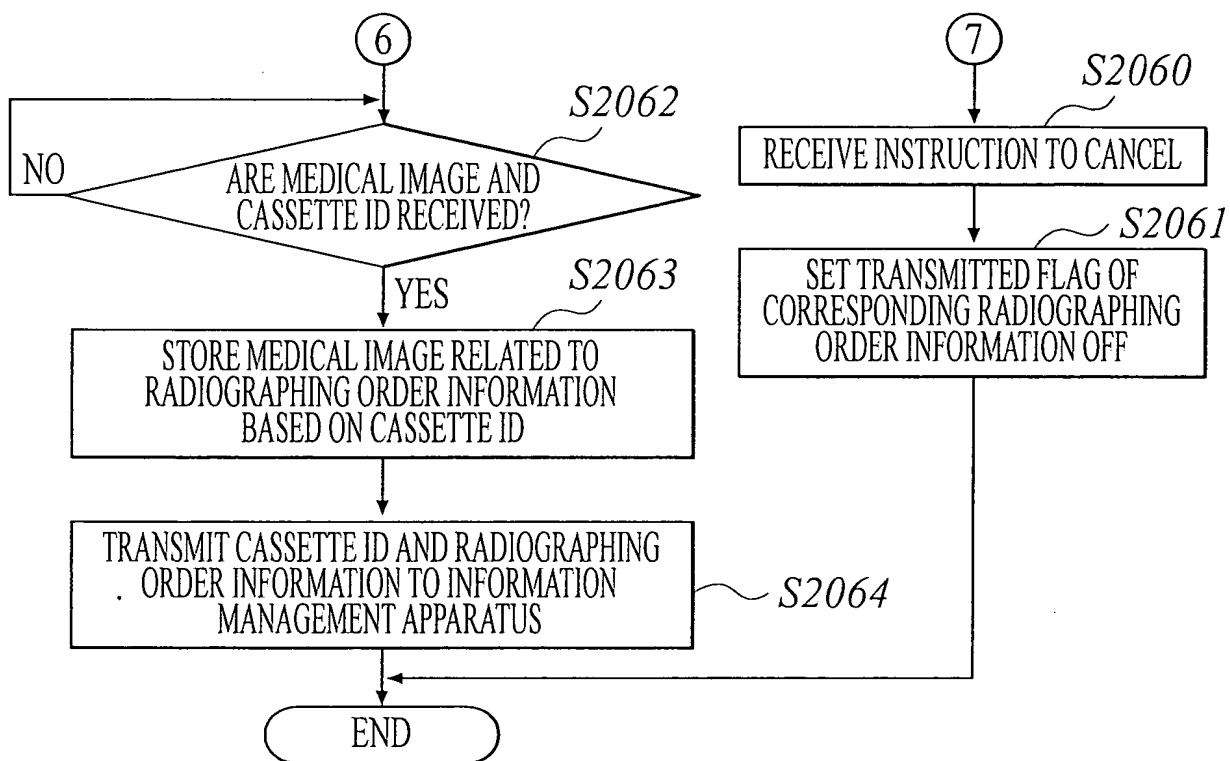


FIG. 20A

2133

ICHIRO YAMADA

PATIENT ID 0001

SEX M AGE

WARD ROOM

RADIOGRAPHING ORDER INFORMATION DISAGREES.
ARE DATA TO BE RENEWED?

YES NO

CANCEL OK

FIG. 20B

2134

ICHIRO YAMADA

PATIENT ID 0001

SEX M AGE

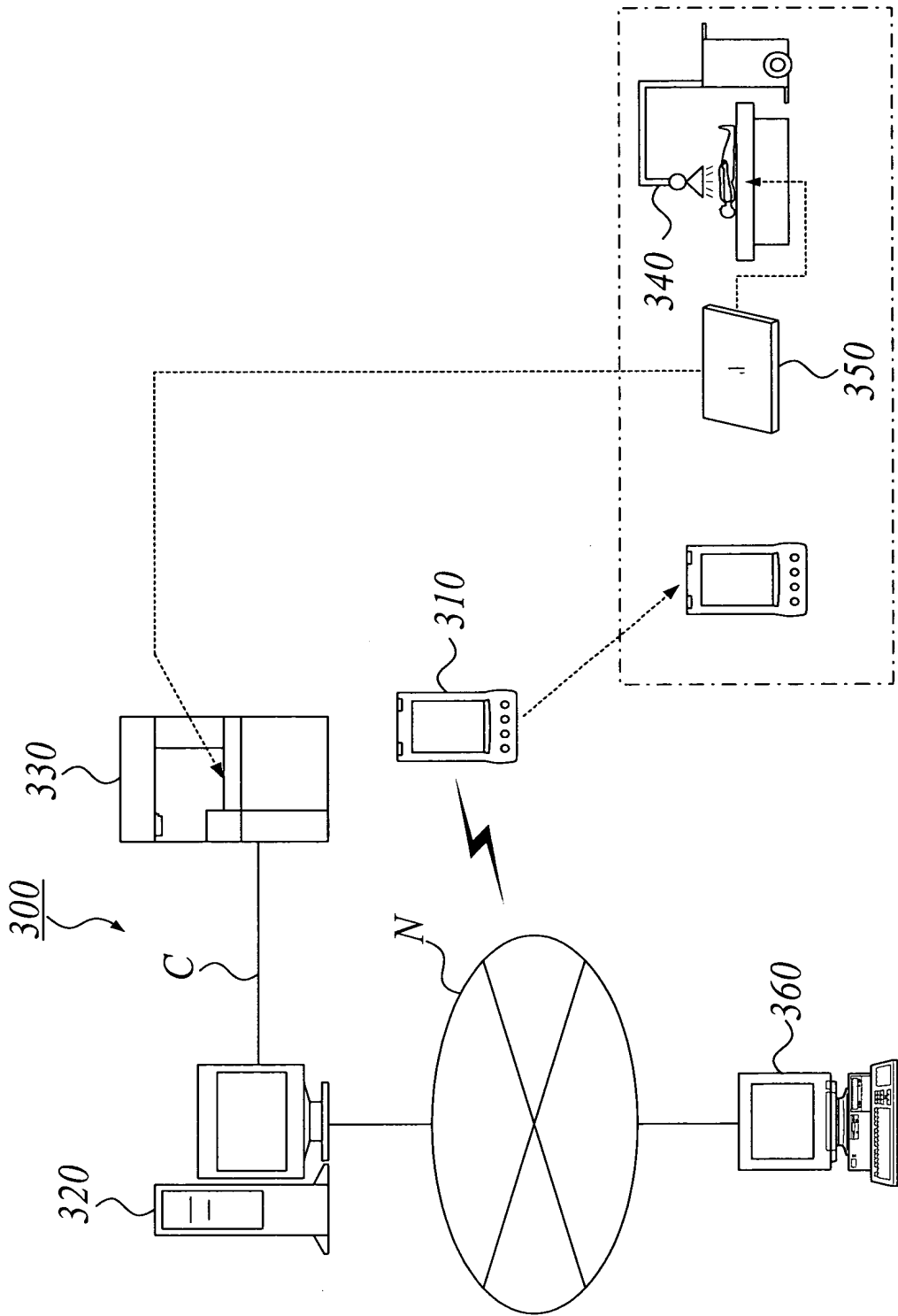
WARD ROOM

RADIOGRAPHING ORDER INFORMATION DISAGREES.
CASSETTE ID IS NOT STORED.
IS RADIOGRAPHING ORDER INFORMATION TO BE CANCELED?

YES NO

CANCEL OK

FIG. 21



27 / 42
FIG 22

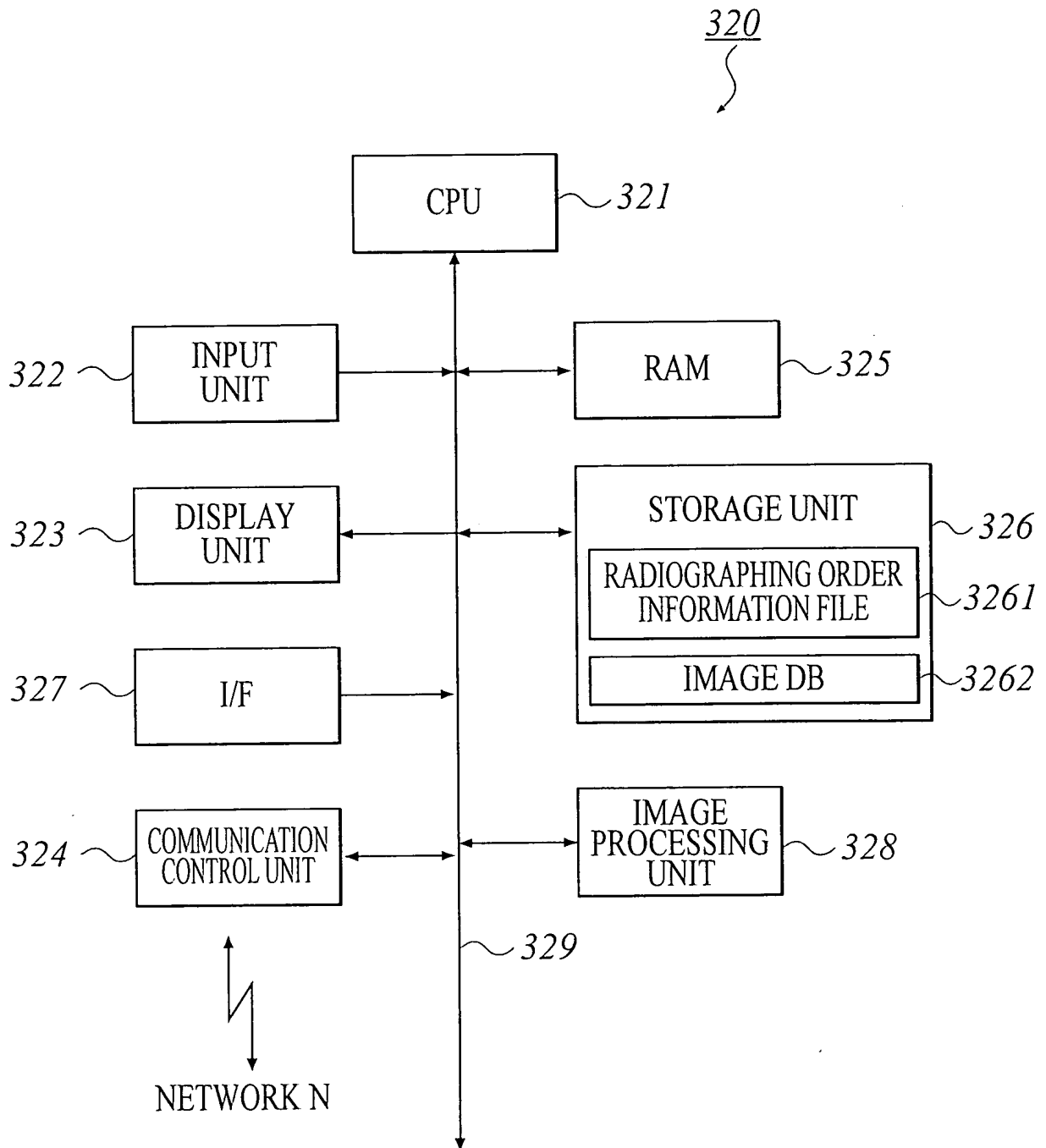
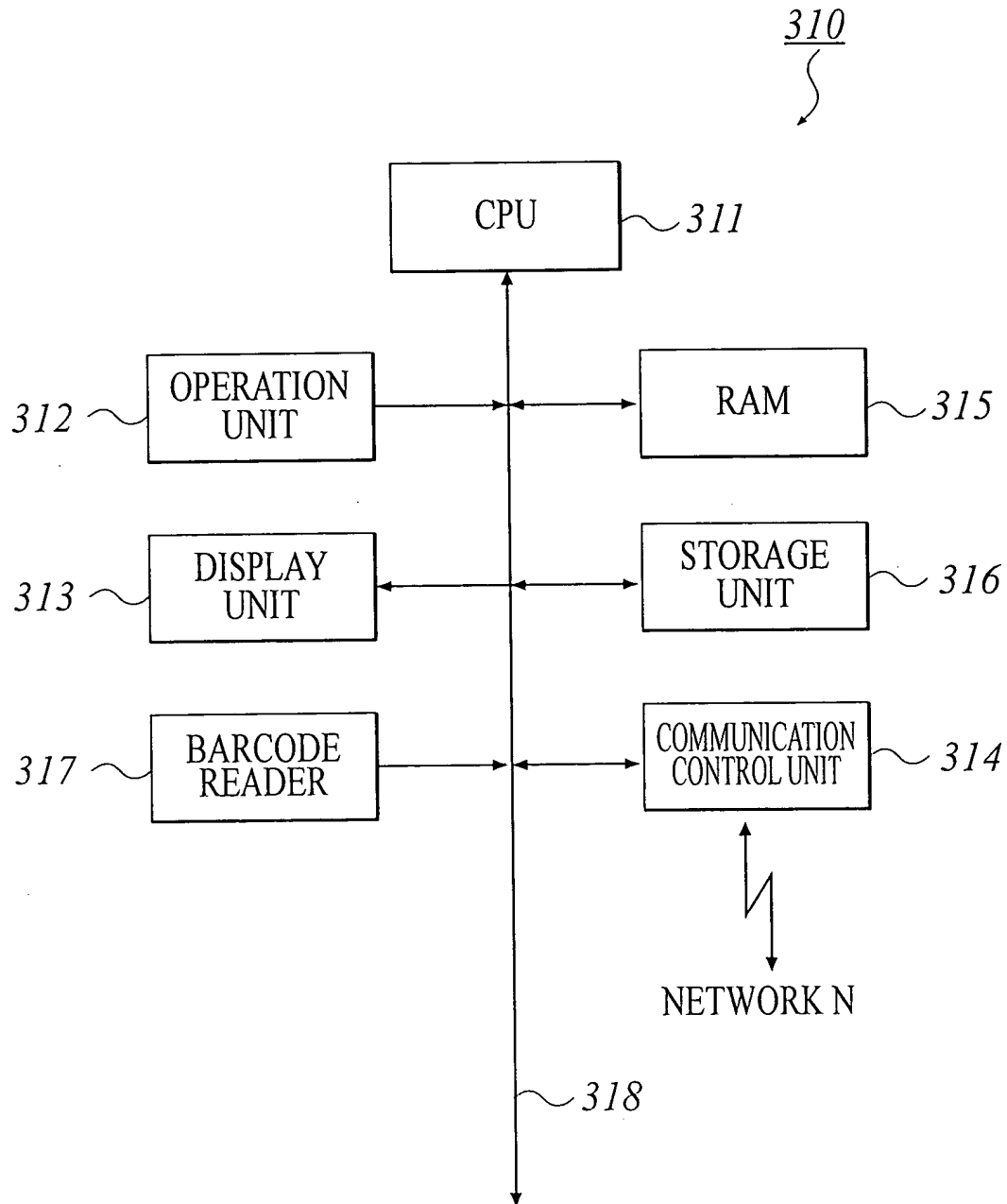


FIG.23

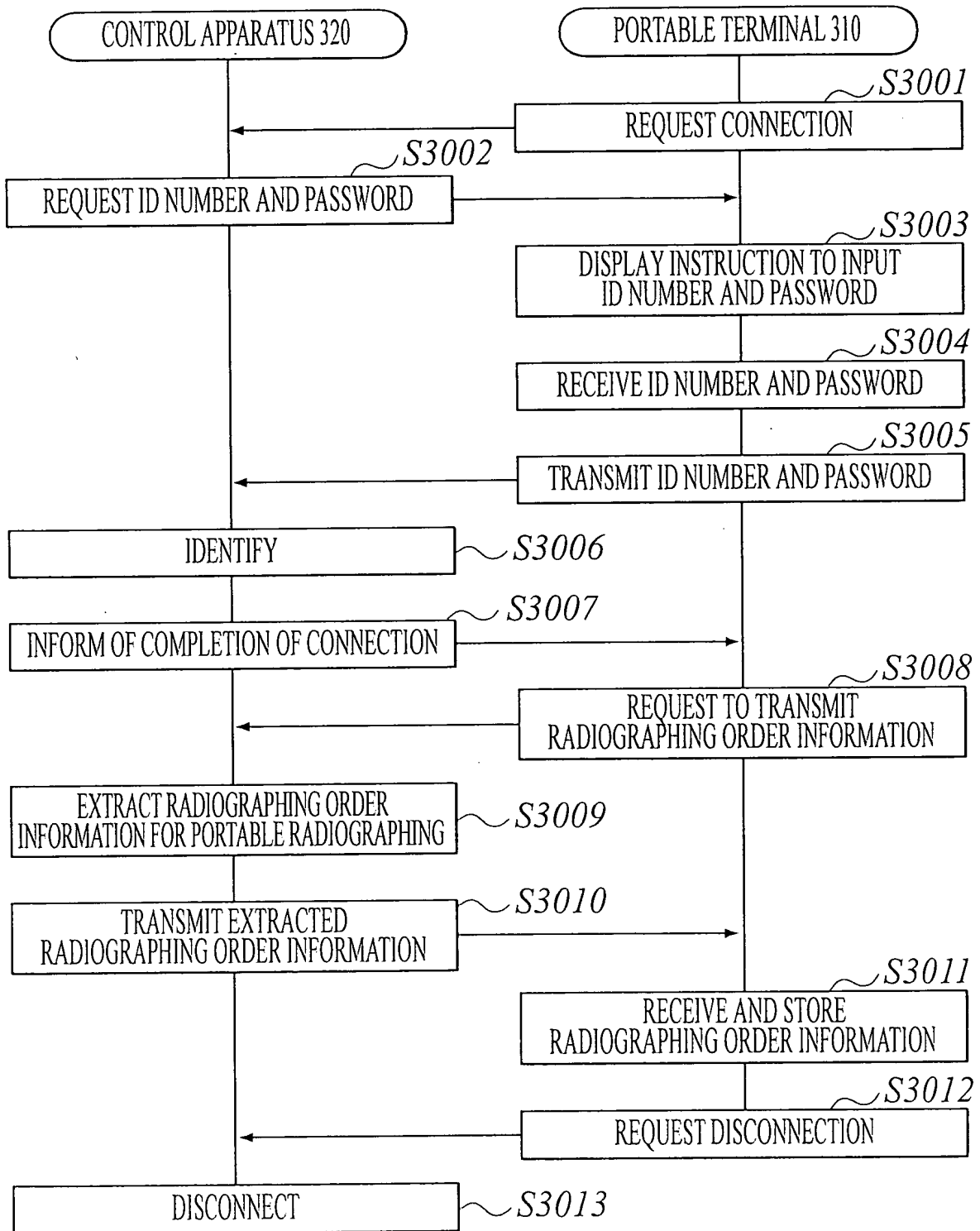
3261

RADIOGRAPHING ID	PATIENT ID	NAME	SEX	AGE	ROOM	DEPARTMENT	RADIOGRAPHING CONDITION	TYPE	NUMBER OF IMAGES
3261a 20020101001	3261b 1000002	3261c ○○○○	3261d MALE	40	101	SURGERY	SKULL-AD	3261i MEDICAL IMAGE READING APPARATUS 360	3261j 3
20020101002	1000002	○○○○	MALE	40	101	SURGERY	SKULL-PA	MEDICAL IMAGE READING APPARATUS 360	3
20020101003	1000002	○○○○	MALE	40	101	SURGERY	CHEST-PA	MEDICAL IMAGE READING APPARATUS 360	4
20020101004	1000002	○○○○	MALE	40	101	SURGERY	CHEST-RL	MEDICAL IMAGE READING APPARATUS 360	4
20020101005	1000005	△△△△	FEMALE	50	205	INTERNAL MEDICINE	ABDOMEN-LAT	MEDICAL IMAGE READING APPARATUS 330	5
20020101006	1000005	△△△△	FEMALE	50	205	INTERNAL MEDICINE	ABDOMEN-PA	MEDICAL IMAGE READING APPARATUS 330	5
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

29 / 42
FIG 24



30 / 42
FIG 25



31 / 42
FIG 26

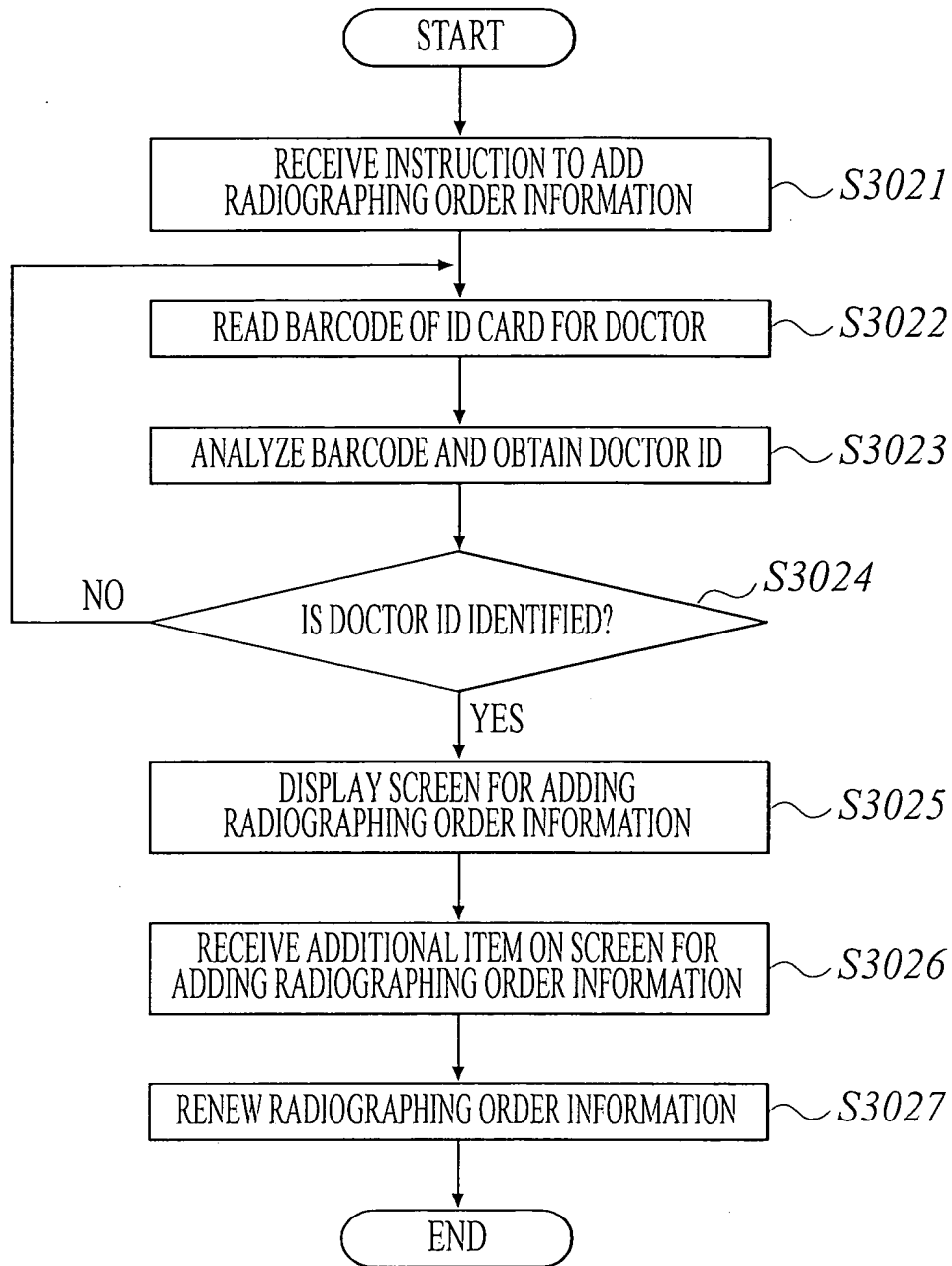


FIG. 27A

SCREEN FOR ADDING
RADIOGRAPHING ORDER INFORMATION 3131

PATIENT ID 3131a

ADD 3131b

FIG. 27B

3132

PATIENT NAME: $\triangle \triangle \triangle \triangle$ FORWARD PAGE NEXT PAGE

SKULL	AP	PA	LAT
THREE DIRECTIONS			
SKULL	SKULL	SKULL	
SELLA TURCICA	AP	LAT	
ACCESSORY SINUS	PA	WATERS	COLD WALE
	LAT	TWO DIRECTIONS	
SKULL-AP	CANCEL		OK

33 / 42
FIG 28

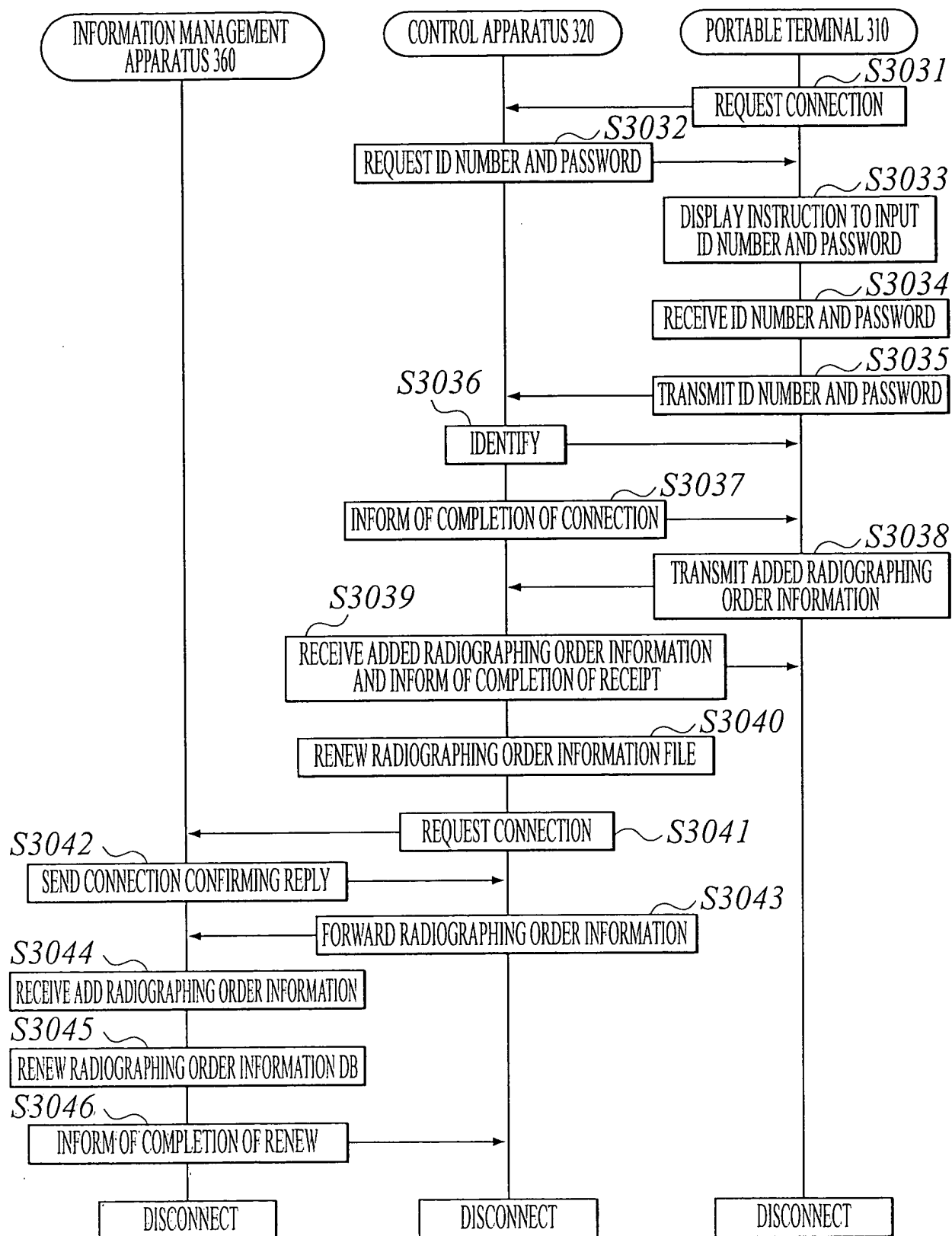
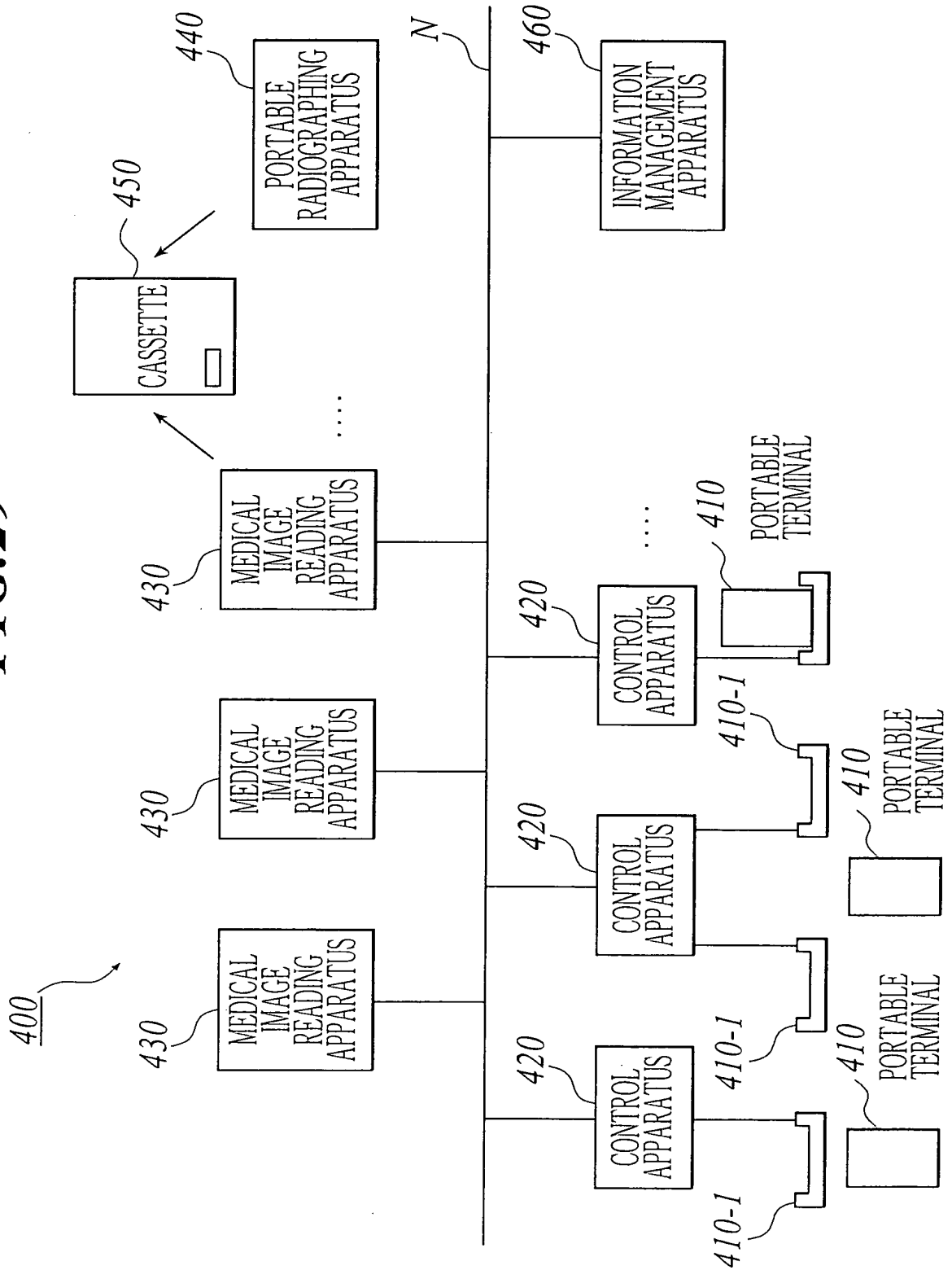


FIG. 29



36 / 42
FIG 31

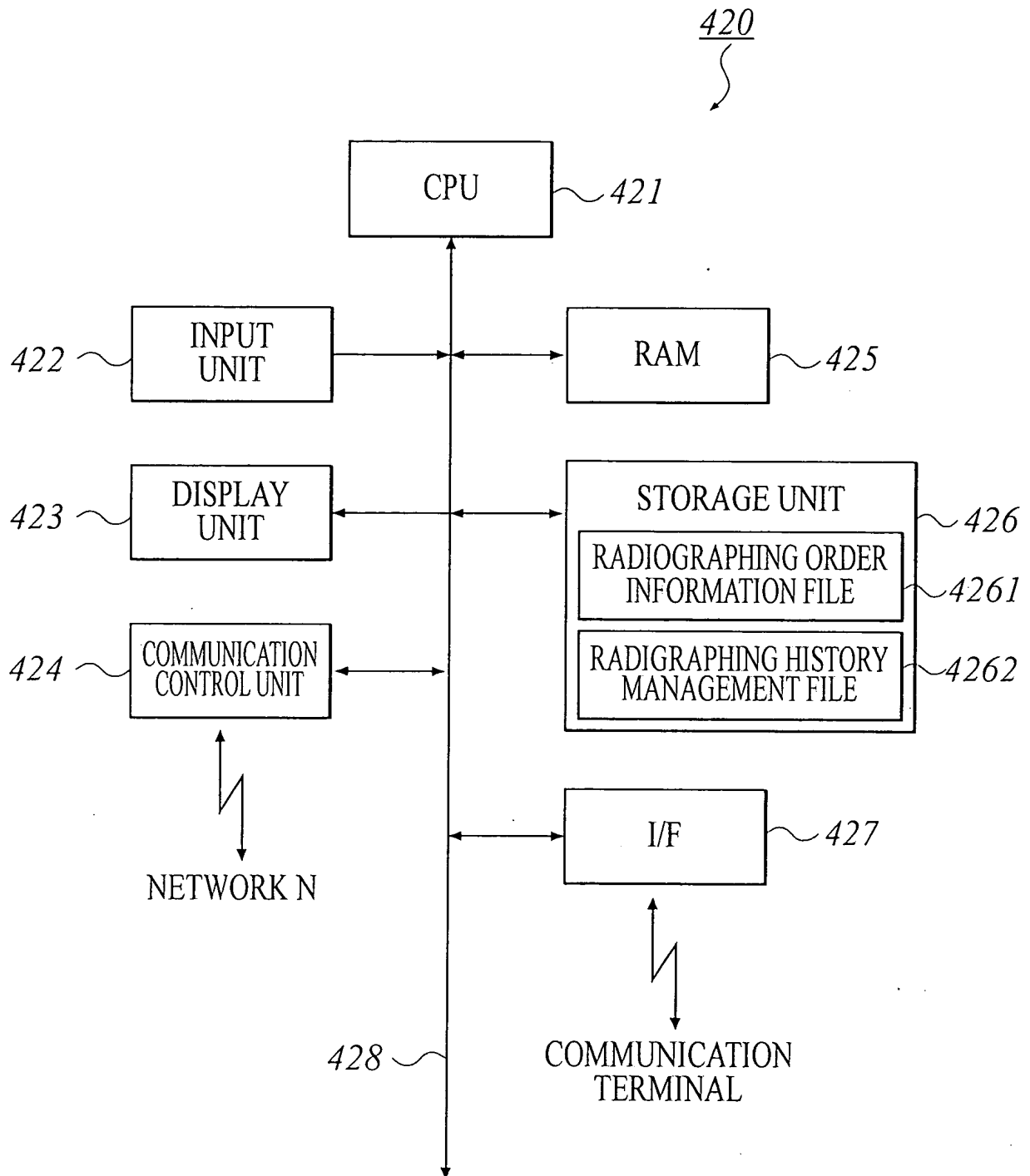


FIG.32

4262

RADIOGRAPHING ID	RADIOGRAPHING DATE	OPERATOR ID	CASSETTE ID	RADIOGRAPHING APPARATUS ID	READING APPARATUS ID	ERROR FLAG
20020101001	2003/3/3	SATO1234	04000108022016	A101010	E1100101	
20020101002	2003/3/3	TANAKA2513	10100760100100	A221101	F1210012	V
20020101003	2003/3/4	SUZUKI1777	040000444833940	B001001	H3302009	
⋮	⋮	⋮	⋮	⋮	⋮	⋮

38 / 42
FIG 33

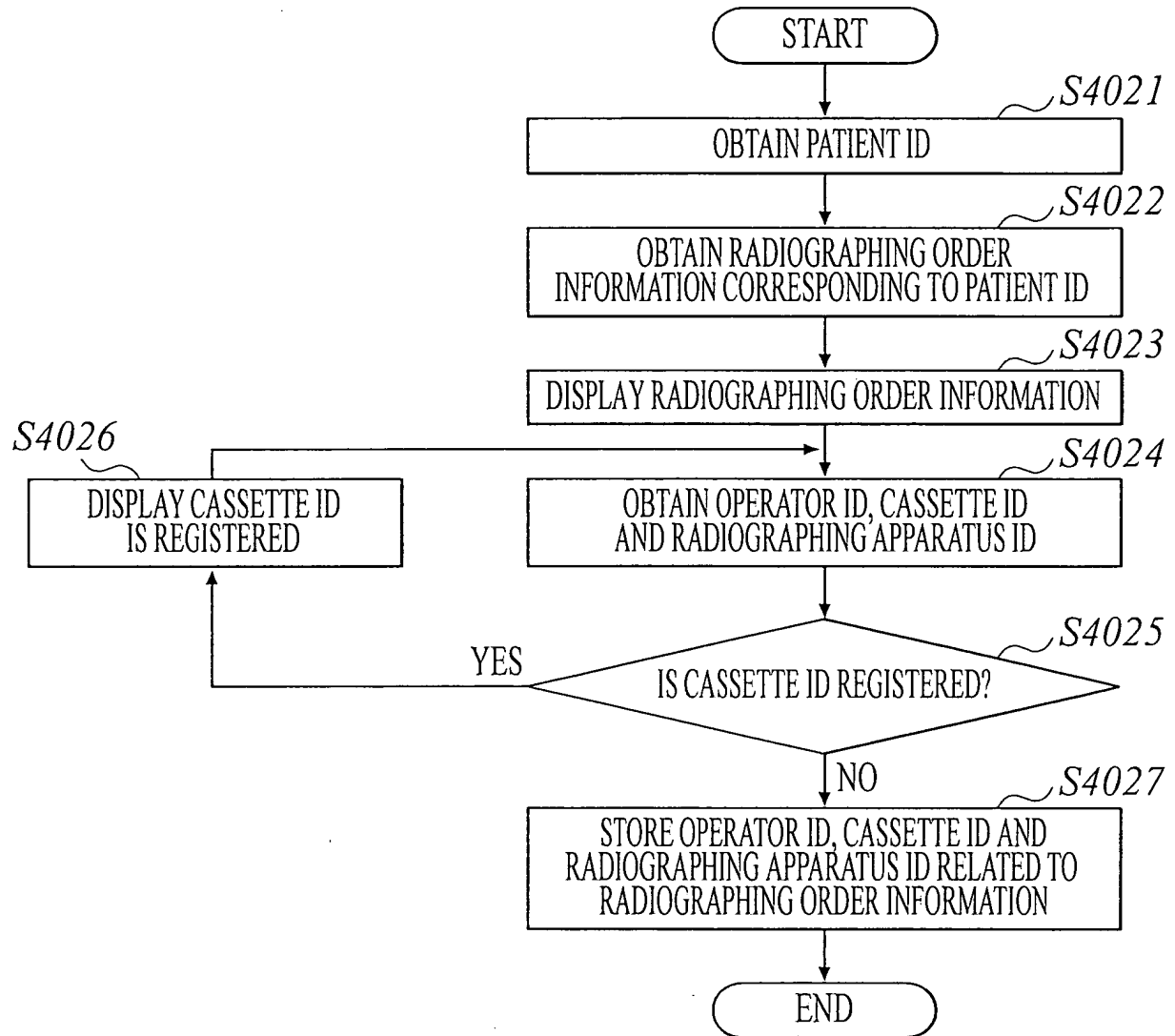


FIG.34A

4131

0/2

ALL

<div>1</div> <div>PATIENT ID</div>	<div>2</div> <div>NAME (ROMAN ALPHABET)</div>	<div>3</div> <div>WARD</div>
0001	ICHIRO YAMADA	
12345	TARO SAKURA	

FIG.34B

4132

ICHIRO YAMADA

PATIENT ID

0001

SEX

M

AGE

WARD

ROOM

01/02

←

○

CHEST ETC OBLIQUE 11X14INCH THREE IMAGES

04000108022016

SUZUKI777

A101010

CANCEL

OK

40 / 42
FIG 35

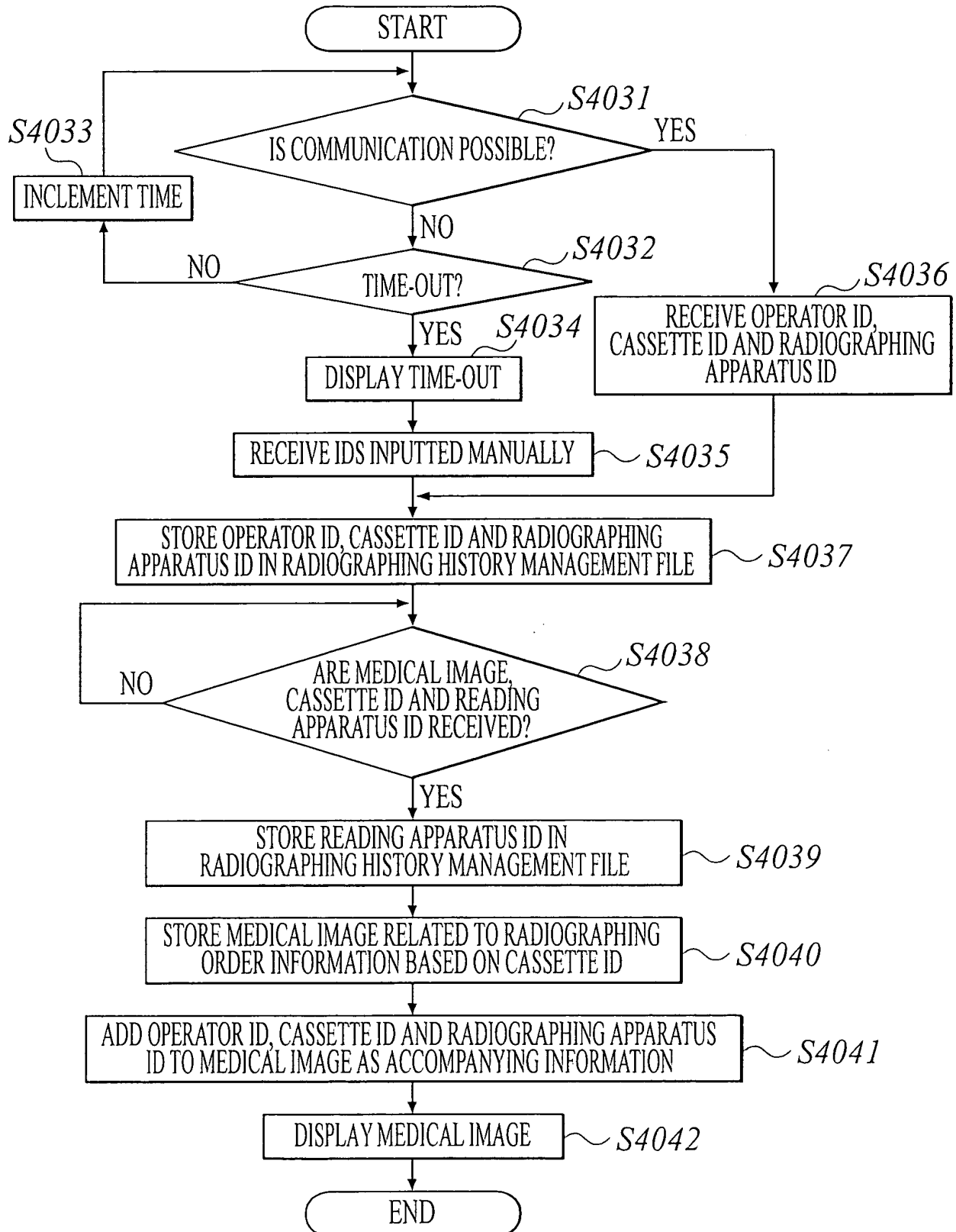


FIG.36

4231

OPERATOR:TARO SUZUKI

ALL PDA DB DELETE

CONDITION

SCHEDULE

2

ITEM

SUSPEND

0

ITEM

PATIENT ID	TYPE OF TAB	PATIENT NAME	SEX	BIRTH DATE	RADIOGRAPHING CONDITION	NUMBER OF IMAGES	SUSPEND
0001	→	ICHIRO YAMADA	MALE	/ /	CHEST ETC OBLIQUE	0/2	
12345							

SELECT ALL

TRANSMIT

RECEIVE

NEW/SEARCH

MODIFY

DELETE

SET CONDITION

SELECTING CONDITION

RENEW LIST

CONFIRMATION SCREEN

COMMUNICATION WITH PORTABLE TERMINAL IS TIME-OUT.

OK

FIG.37

4232

OPERATOR : TARO SUZUKI OPERATOR ID:SUZUKI777				MODIFY CONDITION MODIFY PATIENT	
PATIENT ID 0001 PATIENT NAME ICHIRO YAMADA	PATIENT ID 0001 PATIENT NAME ICHIRO YAMADA	PATIENT ID 12345 PATIENT NAME TARO SAKURA	PATIENT ID 12345 PATIENT NAME TARO SAKURA		
F1210012 <input type="checkbox"/> RESOLUTION: NORMAL <input type="checkbox"/> ORDER=5 SERIES=1 IMAGE=1	F1210012 <input type="checkbox"/> RESOLUTION: NORMAL <input type="checkbox"/> ORDER=6 SERIES=1 IMAGE=2	H3302009 <input type="checkbox"/> RESOLUTION: NORMAL <input type="checkbox"/> ORDER=7 SERIES=1 IMAGE=1	H3302009 <input type="checkbox"/> RESOLUTION: NORMAL <input type="checkbox"/> ORDER=8 SERIES=1 IMAGE=2		
<input type="checkbox"/> CHEST ETC OBLIQUE 11X14INCH <input type="checkbox"/> 01000108022016 <input type="checkbox"/> 101003201000120000 <input type="checkbox"/> A101010	<input type="checkbox"/> CHEST ETC APICAL 11X14INCH <input type="checkbox"/> 04000444833940 <input type="checkbox"/> 101003201000110000 <input type="checkbox"/> A101010	<input type="checkbox"/> INFANT CHEST PA 14X17INCH <input type="checkbox"/> 01001412315193 <input type="checkbox"/> 101003205000120000 <input type="checkbox"/> A101010	<input type="checkbox"/> INFANT CHEST PA 14X17INCH <input type="checkbox"/> 04001041347505 <input type="checkbox"/> 101003205000110000 <input type="checkbox"/> A101010	<input type="checkbox"/> NG <input type="radio"/> OK	<input type="checkbox"/> NG <input type="radio"/> OK
<div> <input type="button" value="◀◀"/> <input type="button" value="◀"/> <input type="button" value="▶"/> <input type="button" value="▶▶"/> </div>				<div> <input type="button" value="SUSPEND"/> <input type="button" value="COMPLETE"/> </div>	